

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                                  |              |                        |            |    |
|--|----------------------------------|--------------|------------------------|------------|----|
| LM Start   |                                  | Rating **    | A                      | Issue No.  | 16 |
| LM End   |                                  | Issue Type + | Ma                     | Location * | WS |
| Category   | Earthen Levee                    |              | GPS Latitude/Longitude |            |    |
|  |                                  |              | Start                  | End        |    |
| Item   | Operations & Maintenance Manuals |              |                        | °          | °  |
|  |                                  |              |                        | °          | °  |
| DWR ID   | DWR_LD0003_01_s _ 2013_16        |              |                        |            |    |
| Action/Comments                                  |                                  |              |                        |            |    |
| Inspector Comments: The LMA has the O&M manuals. |                                  |              |                        |            |    |

No Photos

|  |                                |              |                        |            |    |
|--|--------------------------------|--------------|------------------------|------------|----|
| LM Start   |                                | Rating **    | A                      | Issue No.  | 17 |
| LM End   |                                | Issue Type + | Ma                     | Location * | WS |
| Category   | Earthen Levee                  |              | GPS Latitude/Longitude |            |    |
|  |                                |              | Start                  | End        |    |
| Item   | Emergency Supplies & Equipment |              |                        | °          | °  |
|  |                                |              |                        | °          | °  |
| DWR ID   | DWR_LD0003_01_s _ 2013_17      |              |                        |            |    |
| Action/Comments  |                                |              |                        |            |    |
| Inspector Comments: The LMA has adequate flood fight supplies and equipment. |                                |              |                        |            |    |

No Photos

|   |                               |              |                        |            |    |
|---|-------------------------------|--------------|------------------------|------------|----|
| LM Start  |                               | Rating **    | A                      | Issue No.  | 18 |
| LM End  |                               | Issue Type + | Ma                     | Location * | WS |
| Category  | Earthen Levee                 |              | GPS Latitude/Longitude |            |    |
|   |                               |              | Start                  | End        |    |
| Item  | Flood Preparedness & Training |              |                        | °          | °  |
|   |                               |              |                        | °          | °  |
| DWR ID  | DWR_LD0003_01_s _ 2013_18     |              |                        |            |    |
| Action/Comments   |                               |              |                        |            |    |
| Inspector Comments: The LMA has completed flood fight training in the past. |                               |              |                        |            |    |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

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|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.56                      | Rating **    | M  | Issue No.              | 23            |
| LM End   | 0.63                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Animal Control            |              |    | 39.389390 °            | 39.389219 °   |
|  |                           |              |    | -121.995539 °          | -121.996854 ° |
| DWR ID   | DWR_LD0003_01_s _ 2012_23 |              |    |                        |               |
| Action/Comments  |                           |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                           |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.69                      | Rating **    | M  | Issue No.              | 55            |
| LM End   | 0.69                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Animal Control            |              |    | 39.388716 °            | 39.388716 °   |
|  |                           |              |    | -121.997774 °          | -121.997774 ° |
| DWR ID   | DWR_LD0003_01_s _ 2014_55 |              |    |                        |               |
| Action/Comments  |                           |              |    |                        |               |
| Exterminate rodents and backfill and compact or grout burrows. |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_55\_20150310\_00024.jpg



View of the rodent activity along the w/s slope.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.75                     | Rating **    | M  | Issue No.              | 3             |
| LM End   | 0.75                     | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Animal Control           |              |    | 39.388323 °            | 39.388323 °   |
|  |                          |              |    | -121.998727 °          | -121.998727 ° |
| DWR ID   | DWR_LD0003_01_s _ 2012_3 |              |    |                        |               |
| Action/Comments  |                          |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_3\_20150310\_00002.jpg



View of squirrel holes along the slope.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

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### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.82                    | Rating **    | M  | Issue No.              | 67            |
| LM End   | 0.82                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Vegetation              |              |    | 39.388725 °            | 39.388725 °   |
|  |                         |              |    | -121.999870 °          | -121.999870 ° |
| DWR ID   | DWR_LD0003_01_f_2013_67 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_67\_20150310\_00032.jpg



View of the elderberries along the landside toe.

|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 1.78                    | Rating **    | A/W | Issue No.              | 13            |
| LM End   | 2.41                    | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Animal Control          |              |     | 39.402115 °            | 39.406538 °   |
|  |                         |              |     | -122.002047 °          | -121.994995 ° |
| DWR ID   | DWR_LD0003_01_s_2012_13 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_13\_20150310\_00008.jpg



View of the rodent holes along the waterside slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 1.82                    | Rating **    | M  | Issue No.              | 15            |
| LM End   | 2.41                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 39.402738 °            | 39.406557 °   |
|  |                         |              |    | -122.001907 °          | -121.995052 ° |
| DWR ID   | DWR_LD0003_01_s_2012_15 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



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| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.44                    | Rating **    | M  | Issue No.              | 47            |
| LM End   | 2.44                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 39.406667 °            | 39.406667 °   |
|  |                         |              |    | -121.994328 °          | -121.994328 ° |
| DWR ID   | DWR_LD0003_01_f_2014_47 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_47\_20150310\_00021.jpg



View of the rodent holes along the waterside slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.46                    | Rating **    | M  | Issue No.              | 59            |
| LM End   | 2.46                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 39.406809 °            | 39.406809 °   |
|  |                         |              |    | -121.994100 °          | -121.994100 ° |
| DWR ID   | DWR_LD0003_01_s_2014_59 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_59\_20150310\_00025.jpg



View of the rodent activity along the w/s slope.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.38                   | Rating **    | M  | Issue No.              | 9             |
| LM End   | 3.38                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Slope Stability        |              |    | 39.418267 °            | 39.418267 °   |
|  |                        |              |    | -121.992472 °          | -121.992472 ° |
| DWR ID   | DWR_LD0003_01_s_2012_9 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                        |              |    |                        |               |
| Inspector Comments: Repair the erosion along the landside slope.                     |                        |              |    |                        |               |
|  |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_9\_20150505\_00048.jpg



View of the vehicle erosion along the landside slope.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
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|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 3.76                    | Rating **    | M  | Issue No.              | 19            |
| LM End   | 3.76                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 39.423747 °            | 39.423747 °   |
|  |                         |              |    | -121.991667 °          | -121.991667 ° |
| DWR ID   | DWR_LD0003_01_s_2012_19 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comments: Repair the vehicle erosion on the landside slope.                |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_19\_20150505\_00049.jpg



View of the vehicle erosion along the landside slope.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.01                    | Rating **    | M  | Issue No.              | 65            |
| LM End   | 4.01                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 39.426571 °            | 39.426571 °   |
|  |                         |              |    | -121.988942 °          | -121.988942 ° |
| DWR ID   | DWR_LD0003_01_f_2013_65 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_65\_20150310\_00031.jpg



View of the rodent activity along the waterside slope.

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | 4.18                   | Rating **    | M  | Issue No.              | 1             |
| LM End          | 4.18                   | Issue Type + | Ma | Location *             | WS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Encroachments          |              |    | 39.428793 °            | 39.428793 °   |
|                 |                        |              |    | -121.987495 °          | -121.987495 ° |
| DWR ID          | DWR_LD0003_01_s_2012_1 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Prunings        |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_1\_20150310\_00001.jpg



View of prunings along the W/S toe.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



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|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 4.66                    | Rating **    | M  | Issue No.              | 63            |
| LM End          | 4.66                    | Issue Type + | Ma | Location *             | LS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Encroachments           |              |    | 39.435701 °            | 39.435701 °   |
|                 |                         |              |    | -121.988189 °          | -121.988189 ° |
| DWR ID          | DWR_LD0003_01_f_2013_63 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Prunings        |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_63\_20150310\_00029.jpg



View of the prunings along the landside toe.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.66                    | Rating **    | M  | Issue No.              | 64            |
| LM End   | 4.66                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 39.435702 °            | 39.435702 °   |
|  |                         |              |    | -121.988189 °          | -121.988189 ° |
| DWR ID   | DWR_LD0003_01_f_2013_64 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_64\_20150310\_00030.jpg



View of the rodent activity along the landside slope.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.68                   | Rating **    | M  | Issue No.              | 2             |
| LM End   | 4.68                   | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Slope Stability        |              |    | 39.435907 °            | 39.435907 °   |
|  |                        |              |    | -121.988242 °          | -121.988242 ° |
| DWR ID   | DWR_LD0003_01_f_2013_2 |              |    |                        |               |
| Action/Comments  |                        |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                        |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

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|---|------|------------|--------------------------|------------|
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|  |                         |              |     |                        |               |
|--|-------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 5.09                    | Rating **    | A/W | Issue No.              | 21            |
| LM End   | 5.25                    | Issue Type + | Ma  | Location *             | LS            |
| Category   | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|  |                         |              |     | Start                  | End           |
| Item   | Animal Control          |              |     | 39.441598 °            | 39.443793 °   |
|  |                         |              |     | -121.990677 °          | -121.991297 ° |
| DWR ID   | DWR_LD0003_01_s_2012_21 |              |     |                        |               |
| Action/Comments  |                         |              |     |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_21\_20150310\_00011.jpg



View of no rodent activity.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.54                    | Rating **    | M  | Issue No.              | 62            |
| LM End   | 5.66                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Animal Control          |              |    | 39.447947 °            | 39.449739 °   |
|  |                         |              |    | -121.991770 °          | -121.991978 ° |
| DWR ID   | DWR_LD0003_01_f_2013_62 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_62\_20150310\_00028.jpg



View of the rodent holes along the landside slope.

|                    |                         |              |    |                        |               |
|--------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start           | 5.77                    | Rating **    | M  | Issue No.              | 25            |
| LM End             | 5.88                    | Issue Type + | Ma | Location *             | LS            |
| Category           | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                    |                         |              |    | Start                  | End           |
| Item               | Encroachments           |              |    | 39.451293 °            | 39.452872 °   |
|                    |                         |              |    | -121.992370 °          | -121.992897 ° |
| DWR ID             | DWR_LD0003_01_s_2012_25 |              |    |                        |               |
| Action/Comments    |                         |              |    |                        |               |
| Abandoned vehicles |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_25\_20150310\_00012.jpg



View of the equipment along the L/S toe.

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| LS : Land Side    | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side   |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown        |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|          |                        |              |    |                        |               |
|----------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.11                   | Rating **    | M  | Issue No.              | 8             |
| LM End   | 6.11                   | Issue Type + | Ma | Location *             | WS            |
| Category | Supplemental           |              |    | GPS Latitude/Longitude |               |
|          |                        |              |    | Start                  | End           |
| Item     | USACE Erosion Survey   |              |    | 39.454696 °            | 39.455096 °   |
|          |                        |              |    | -121.994107 °          | -121.994217 ° |
| DWR ID   | DWR LD0003 01 f 2014 8 |              |    |                        |               |

No Photos

| Action/Comments  |  |  |  |  |  |
|--|--|--|--|--|--|
| Inspector Comments: 1997 - Erosion of top left bank; eroding downstream of rock section where levee is closest to the bank, approximately 40 to 50 ft of bank retreat, some berm left. 1999 - Some new beach sedimentation at toe. 2000 - Snags in eddy area could induce bank erosion at higher flows. 2002 - Small bar is gone. 2003 - Bar is present and higher. 2004 - Some new deposition on the bank at the upstream end. 2006 - New sand on bar and bank. 2007 - New sand deposition with vegetation colonizing bars between dikes. 2008 - More eddy sedimentation and vegetation on bar along bank. Bank is healing due to retreat of right bank. 2009 - Additional bar sedimentation. 2010 - some deposition at toe, new erosion on opposite bank. Site continues to heal. 2012 - Majority of site healed but upstream end still needs toe rock. 2013: Unable to view from river due to low water conditions. [2013 Site ID: SAC_168-3_L] |  |  |  |  |  |

|          |                        |              |    |                        |               |
|----------|------------------------|--------------|----|------------------------|---------------|
| LM Start | 6.24                   | Rating **    | M  | Issue No.              | 7             |
| LM End   | 6.30                   | Issue Type + | Ma | Location *             | LS            |
| Category | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|          |                        |              |    | Start                  | End           |
| Item     | Trim / Thin Trees      |              |    | 39.457968 °            | 39.458797 °   |
|          |                        |              |    | -121.993712 °          | -121.993753 ° |
| DWR ID   | DWR LD0003 01 s 2012 7 |              |    |                        |               |

| Action/Comments                                      |  |  |  |  |  |
|--|--|--|--|--|--|
| Trim trees to at least five feet above ground level. |  |  |  |  |  |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_7\_20150310\_00005.jpg



Trim the trees 5 feet for better visibility.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.29                    | Rating **    | M  | Issue No.              | 48            |
| LM End   | 6.38                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Trim / Thin Trees       |              |    | 39.458587 °            | 39.459912 °   |
|  |                         |              |    | -121.993777 °          | -121.993592 ° |
| DWR ID   | DWR_LD0003_01_s_2012_48 |              |    |                        |               |
| Action/Comments                                      |                         |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_48\_20150310\_00022.jpg



Trim the trees up 5 feet for better visibility.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.57                    | Rating **    | M  | Issue No.              | 34            |
| LM End   | 6.57                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 39.462505 °            | 39.462505 °   |
|  |                         |              |    | -121.992698 °          | -121.992698 ° |
| DWR ID   | DWR_LD0003_01_s_2012_34 |              |    |                        |               |
| Action/Comments  |                         |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                         |              |    |                        |               |

No Photos

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start                                      | 6.63                    | Rating **    | M  | Issue No.              | 12            |
| LM End  | 6.63                    | Issue Type + | Ma | Location *             | LS            |
| Category                                      | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Slope Stability         |              |    | 39.463366 °            | 39.463366 °   |
|   |                         |              |    | -121.992586 °          | -121.992586 ° |
| DWR ID  | DWR_LD0003_01_f_2012_12 |              |    |                        |               |
| Action/Comments                               |                         |              |    |                        |               |
| Repair slope instability.                     |                         |              |    |                        |               |
| Inspector Comments: Building has burned down. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_12\_20150310\_00007.jpg



View of concrete stairs & foundation along the slope of the levee.

|                   |                      |                          |   |                                   |  |
|-------------------|----------------------|--------------------------|---|-----------------------------------|--|
| <b>* Location</b> |                      | <b>** Rating</b>         |   | <b>+ Issue Type</b>               |  |
| LS : Land Side    | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side   |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown        |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.75                      | Rating **    | M  | Issue No.              | 35            |
| LM End   | 6.75                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Trim / Thin Trees         |              |    | 39.465013 °            | 39.465013 °   |
|  |                           |              |    | -121.991455 °          | -121.991455 ° |
| DWR ID   | DWR_LD0003_01_s _ 2012_35 |              |    |                        |               |
| Action/Comments                                      |                           |              |    |                        |               |
| Trim trees to at least five feet above ground level. |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_35\_20150310\_00018.jpg



View of the trees that are hanging over the landside slope of the levee.

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.21                      | Rating **    | M  | Issue No.              | 14            |
| LM End   | 7.21                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Slope Stability           |              |    | 39.471658 °            | 39.471658 °   |
|  |                           |              |    | -121.991245 °          | -121.991245 ° |
| DWR ID   | DWR_LD0003_01_s _ 2012_14 |              |    |                        |               |
| Action/Comments  |                           |              |    |                        |               |
| Repair the levee slope damaged by vehicle traffic and prevent access where possible. |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_14\_20150310\_00009.jpg



Vehicle erosion along the slope.

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 8.71                      | Rating **    | M  | Issue No.              | 26            |
| LM End   | 9.86                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental              |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | USACE Erosion Survey      |              |    | 39.508117 °            | 39.504388 °   |
|  |                           |              |    | -121.986562 °          | -121.985301 ° |
| DWR ID   | DWR_LD0003_01_f _ 2014_26 |              |    |                        |               |
| Action/Comments  |                           |              |    |                        |               |
| Inspector Comments: 2007 - Getting close to the levee. Bank is clayey silt with clayey/silty toe. 2008 - Looks a little worse at the upstream end. 2009 - Some new erosion and slumping. 2010 - Some new erosion upstream of site, actively eroding at low flow. New bank swallow colony noted. 2011 - Significant erosion since last year, with an estimated 10 to 15 feet of berm lost. Large sections of the bank have slumped off. 2012 - Part of the site appears to be stabilizing, but still minor slumping in other locations. 2013: Minor new erosion at the toe. [2013 Site ID: SAC_172-0_L] |                           |              |    |                        |               |

Photo 1 of 3 : SP\_2015\_LD0003\_27\_26\_20150310\_00013.jpg



USACE 2013 Photo #1

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|  |                         |              |    |                        |               |  |
|--|-------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 8.71                    | Rating **    | M  | Issue No.              | 26 (cont)     |  |
| LM End   | 9.86                    | Issue Type + | Ma | Location *             | WS            |  |
| Category   | Supplemental            |              |    | GPS Latitude/Longitude |               |  |
|  |                         |              |    | Start                  | End           |  |
| Item   | USACE Erosion Survey    |              |    | 39.508117 °            | 39.504388 °   |  |
|  |                         |              |    | -121.986562 °          | -121.985301 ° |  |
| DWR ID   | DWR_LD0003_01_f_2014_26 |              |    |                        |               |  |
| Action/Comments  |                         |              |    |                        |               |  |
| Inspector Comments: 2007 - Getting close to the levee. Bank is clayey silt with clayey/silty toe. 2008 - Looks a little worse at the upstream end. 2009 - Some new erosion and slumping. 2010 - Some new erosion upstream of site, actively eroding at low flow. New bank swallow colony noted. 2011 - Significant erosion since last year, with an estimated 10 to 15 feet of berm lost. Large sections of the bank have slumped off. 2012 - Part of the site appears to be stabilizing, but still minor slumping in other locations. 2013: Minor new erosion at the toe. [2013 Site ID: SAC_172-0_L] |                         |              |    |                        |               |  |

Photo 2 of 3 : SP\_2015\_LD0003\_27\_26\_20150310\_00014.jpg



USACE 2013 Photo #2

Photo 3 of 3 : SP\_2015\_LD0003\_27\_26\_20150310\_00015.jpg



USACE 2013 Photo #3

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 9.70                    | Rating **    | U  | Issue No.              | 50            |
| LM End  | 9.70                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Erosion / Bank Caving   |              |    | 39.505435 °            | 39.505435 °   |
|   |                         |              |    | -121.984172 °          | -121.984172 ° |
| DWR ID  | DWR_LD0003_01_f_2014_50 |              |    |                        |               |
| Action/Comments   |                         |              |    |                        |               |
| Schedule repair of erosion site prior to the next inspection.<br>Inspector Comments: The erosion site needs to be repaired. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_50\_20150505\_00052.jpg



View of erosion along the waterside toe. Same site as the USACE erosion issue.

|                 |                        |              |    |                        |               |
|-----------------|------------------------|--------------|----|------------------------|---------------|
| LM Start        | 10.14                  | Rating **    | N  | Issue No.              | 5             |
| LM End          | 10.24                  | Issue Type + | Ma | Location *             | WS            |
| Category        | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                 |                        |              |    | Start                  | End           |
| Item            | Trim / Thin Trees      |              |    | 39.511788 °            | 39.512395 °   |
|                 |                        |              |    | -121.983750 °          | -121.981975 ° |
| DWR ID          | DWR_LD0003_01_s_2012_5 |              |    |                        |               |
| Action/Comments |                        |              |    |                        |               |
| Tree stumps.    |                        |              |    |                        |               |

No Photos

|                 |                         |              |    |                        |               |
|-----------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start        | 10.50                   | Rating **    | N  | Issue No.              | 29            |
| LM End          | 10.50                   | Issue Type + | Ma | Location *             | WS            |
| Category        | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                 |                         |              |    | Start                  | End           |
| Item            | Trim / Thin Trees       |              |    | 39.515342 °            | 39.515342 °   |
|                 |                         |              |    | -121.979202 °          | -121.979202 ° |
| DWR ID          | DWR_LD0003_01_s_2012_29 |              |    |                        |               |
| Action/Comments |                         |              |    |                        |               |
| Tree stumps.    |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_29\_20150310\_00016.jpg



View of the stump along the toe.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

### Levee District No. 0003 (Glenn County)

| Waterway                                  | Bank | Unit Miles | Inspection Start/End     | Inspector  |
|---|------|------------|--------------------------|------------|
| Unit No. 01 Glenn County Sacramento River | Left | 11.97      | 04/29/2015<br>04/29/2015 | Bob Duffey |

|                 |                           |              |    |                        |               |
|-----------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start        | 10.67                     | Rating **    | N  | Issue No.              | 30            |
| LM End          | 10.67                     | Issue Type + | Ma | Location *             | WS            |
| Category        | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                 |                           |              |    | Start                  | End           |
| Item            | Trim / Thin Trees         |              |    | 39.517715 °            | 39.517715 °   |
|                 |                           |              |    | -121.979155 °          | -121.979155 ° |
| DWR ID          | DWR_LD0003_01_s _ 2012_30 |              |    |                        |               |
| Action/Comments |                           |              |    |                        |               |
| Tree stumps.    |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_30\_20150310\_00017.jpg



View of the stump along the slope.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 10.98                    | Rating **    | M  | Issue No.              | 4             |
| LM End  | 11.01                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Trim / Thin Trees        |              |    | 39.522058 °            | 39.522480 °   |
|   |                          |              |    | -121.979133 °          | -121.979200 ° |
| DWR ID  | DWR_LD0003_01_s _ 2012_4 |              |    |                        |               |
| Action/Comments   |                          |              |    |                        |               |
| Thin trees to allow visibility of the ground and room to flood fight. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_4\_20150310\_00003.jpg



View of the trees along the slope.

|                           |                          |              |    |                        |               |
|---------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                  | 11.04                    | Rating **    | M  | Issue No.              | 6             |
| LM End                    | 11.04                    | Issue Type + | Ma | Location *             | WS            |
| Category                  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                           |                          |              |    | Start                  | End           |
| Item                      | Slope Stability          |              |    | 39.522921 °            | 39.522921 °   |
|                           |                          |              |    | -121.979172 °          | -121.979172 ° |
| DWR ID                    | DWR_LD0003_01_f _ 2012_6 |              |    |                        |               |
| Action/Comments           |                          |              |    |                        |               |
| Repair slope instability. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2015\_LD0003\_27\_6\_20150310\_00004.jpg



View of the vertical cut along the w/s toe.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|